

ABSTRACT

The present invention provides a device and method for automatically reporting and determining the geographic location of potential fire emergencies utilizing wireless telecommunications network systems. The Combination Smoke Alarm and Wireless Location Device in its main embodiment comprises a self-contained smoke alarm interfaced with a wireless telecommunications transceiver, which operates in existing wireless telecommunication location systems. The wireless telecommunications transceiver is a cellular processor with integrated memory for storing emergency identification data for automated wireless fire incident reporting to public safety answering points or 911 dispatch centers. In one mode of operation, upon sensing the presence of smoke, the wireless telecommunications transceiver automatically transmits stored emergency identification data signals to a public safety answering point or 911 dispatch center utilizing the wireless telecommunications location system, alerting authorities to the location of the fire incident.